GOVERNMENT OF ANDHRA PRADESH

ABSTRACT

ADVISORS – Appointment of Sri Sreedhara Panicker Somanath, Professor, Vikram Sarabhai Space Center as Honorary Advisor (Space Technology) to Government of Andhra Pradesh in the Cabinet Rank– Orders – Issued.

GENERAL ADMINISTRATION (POLITICAL.A) DEPARTMENT

G.O.RT.No. 576 Dated: 19-03-2025

1. G.O.Rt.No.2344, General Administration (Poll.A) Dept, dt:23.10.2019.
2. G.O.Ms.No.7, General Administration (Poll.A) Dept, dt:08.01.2025.

****

ORDER:

Government hereby appoints Sri Sreedhara Panicker Somanath, Professor, Vikram Sarabhai Space Center as Honorary Advisor (Space Technology) to Government of Andhra Pradesh in the Cabinet Rank, initially for a period of two years from the date of assumption of charge of the post or till the necessity of the post ceases, whichever is earlier.

2. The Honorary Advisor will advise the Government on the following:

i. Advise policies to enhance the adoption of space technology in governance, industry, and research.
ii. Align space technology applications with state priorities such as smart cities, disaster management etc.
iii. Guide the establishment of advanced space technology hubs, testing facilities, and research centers.
iv. Support the deployment of indigenous satellites, remote sensing, and communication technologies by the State Government.
v. Promote the use of Geographic Information Systems (GIS), satellite navigation, and AI-driven space analytics.
vi. Encourage public sector adoption of space technology for efficient resource management and planning.
vii. Facilitate public-private partnerships to drive innovation in space applications development.
viii. Build collaborations between government agencies, academia, and global space organizations. Support technology transfer, licensing agreements, and cooperative ventures in space applications research.
ix. Strengthen university and research institution partnerships for advancing space technology. Encourage student participation and innovation through hackathons, fellowships, and incubation programs.
x. Expand space technology use in critical areas such as:

a. **Agriculture** – Precision farming, weather forecasting, and soil analysis.
b. **Disaster Management** – Real-time monitoring of floods, cyclones, and earthquakes.
c. **Urban Planning** – Smart cities, traffic management, and environmental monitoring.
d. **Climate Change Monitoring** – Carbon tracking, deforestation analysis, and river monitoring.

3. The ITE & C Department shall take further necessary action, accordingly.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)

K.VIJAYANAND
CHIEF SECRETARY TO GOVERNMENT

To
Sri Sri Sreedhara Panicker Somanath, Professor,
Vikram Sarabhai Space Center
The ITE & C Department
Copy to:
All Departments of Secretariat
All Heads of the Department
All the District Collectors
The Deputy Pay & Accounts Officer, A.P. Secretariat.
The Accountant General, A.P., Vijayawada
The Principal Secretary to C.M.
The P.S to Chief Secretary.
The P.S to Prl. Secretary to Govt (Poll).
SF/SC(2758562)

//FORWARDED::BY ORDER//

SECTION OFFICER

ANNEXURE to G.O.Rt.No.576 G.A.(Poll.A)Department,dated: 19.03.2025.

Roles & responsibilities of Honorary Advisors

1. Honorary Advisor – Aerospace & Defence Manufacturing Hub:

i. Provide strategic guidance on policies to develop a robust defence manufacturing ecosystem. Guide the development of industrial corridors, testing facilities, and innovation clusters.
ii. Advise on regulatory frameworks, incentives, and compliance requirements for defence manufacturers. Facilitate alignment with national defence policies and international best practices.
iii. Liaise with industry leaders, research institutions, and defence PSUs for collaborative projects. Build partnerships between public and private stakeholders, including MSMEs and global defence firms.
iv. Recommend measures to enhance ease of doing business for defence manufacturers.
v. Advise on the integration of digital technologies like deep-tech, AI, robotics, and cyber-security in defence production.
vi. Support the establishment of centres of excellence for emerging defence technologies.
vii. Facilitate technology transfer and knowledge-sharing between defence research labs and industries.
viii. Recommend policies for skill enhancement and workforce training in defence manufacturing and Collaborate with academic institutions and training centres for defence-specific skill programs.
ix. Track global trends and suggest adaptive measures to facilitate emergence of Andhra Pradesh as the global hub of Aerospace & Defence research & manufacturing.

2. Honorary Advisor –Handlooms & Handicrafts Development:

i. Advise policies to enhance the sustainability, competitiveness, and growth of the handicraft and handloom sectors.
ii. Recommend national and international best practices to boost market access and innovation to attract investments, both domestic and international, to support artisans, cooperatives, and MSMEs.
iii. Advise on access to financial assistance, credit schemes, and government subsidies for artisans.

iv. Recommend strategies to Strengthen domestic and export markets by expanding trade agreements and market linkages.
v. Recommend on eco-friendly, sustainable, and technologically advanced production methods.
vi. Advise on digitization, blockchain for traceability, and e-commerce platforms for artisan products.
vii. Enhance skill training programs for artisans, integrating traditional knowledge with modern techniques.
viii. Facilitate collaborations between design institutes, craft schools, and industry experts.
ix. Promoting Strengthening Geographical Indication (GI) tagging and intellectual property rights for unique crafts.
x. Suggest digital marketing strategies and support artisans in leveraging social media and online marketplaces.
xi. Advise on support to women artisans and marginalized communities through inclusive development initiatives.

3. Honorary Advisor – Forensic Sciences:

i. Advise on existing policies for forensic science, ensuring alignment with global best practices to improve forensic infrastructure, human resources, and funding mechanisms.
ii. Recommend improvements in legal frameworks for forensic evidence collection, handling, and admissibility.
iii. Guide the establishment and modernization of forensic laboratories with state-of-the-art technology.
iv. Support the adoption of AI, biometrics, DNA sequencing, and digital forensics for crime investigation.
v. Support Strengthening of training programs for forensic experts, law enforcement, and the judiciary.
vi. Collaborate with universities and research institutions to enhance forensic science education.
vii. Advise to standardize procedures for forensic audits in corporate and financial sectors.
viii. Facilitate technology transfer and collaborations with global forensic research institutions.
ix. Assist in the integration of forensic databases for criminal profiling and suspect identification.
x. Provide advisory reports with insights on forensic case backlogs, evidence handling efficiency, and lab accreditation.

4. Honorary Advisor – Space Technology:

xi. Advise policies to enhance the adoption of space technology in governance, industry, and research.
xii. Align space technology applications with state priorities such as smart cities, disaster management etc.

xiii. Guide the establishment of advanced space technology hubs, testing facilities, and research centers.

xiv. Support the deployment of indigenous satellites, remote sensing, and communication technologies by the State Government.

xv. Promote the use of Geographic Information Systems (GIS), satellite navigation, and AI-driven space analytics.

xvi. Encourage public sector adoption of space technology for efficient resource management and planning.

xvii. Facilitate public-private partnerships to drive innovation in space applications development.

xviii. Build collaborations between government agencies, academia, and global space organizations. Support technology transfer, licensing agreements, and cooperative ventures in space applications research.

xix. Strengthen university and research institution partnerships for advancing space technology. Encourage student participation and innovation through hackathons, fellowships, and incubation programs.

xx. Expand space technology use in critical areas such as:

a. **Agriculture** – Precision farming, weather forecasting, and soil analysis.
b. **Disaster Management** – Real-time monitoring of floods, cyclones, and earthquakes.
c. **Urban Planning** – Smart cities, traffic management, and environmental monitoring.
d. **Climate Change Monitoring** – Carbon tracking, deforestation analysis, and river monitoring.

K.VIJAYANAND
CHIEF SECRETARY TO GOVERNMENT

SECTION OFFICER

Smt. Suchitra Ella,Padma Bhushan awardee, Entrepreneur and
Co-Founder & MD Bharat Biotech
Dr. K.P.C. Gandhi,Forensic Scientist &
Former Director of Andhra Pradesh Forensic Science Laboratory
Sri Sreedhara Panicker Somanath, Professor,
Vikram Sarabhai Space Center

The Industries & Commerce Department
The Home Department
The ITE & C Department